

**Remarks**

Formal drawings have been submitted under separate cover within the extended deadline for responding to the office action.

The reference numeral 18 appearing on page 7, line 21 has been corrected to read 16. This amendment would appear to overcome the formal objections to the drawings and the objection to the specification.

The abstract has been corrected to remove the word *described*. The claims informalities have been corrected.

The Examiner rejected claims 1 -11 as anticipated by McGrew. Only claim 11, as amended remains. Unlike the invention, wherein a set of codes is differentiated by different combinations of spectral lines and intensities, McGrew relies on spatial separation to identify labels (see paragraph [0040]).

One of the problems difficulties in implementing a quantum dot coding scheme is that the spectral profiles of quantum dots, though generally of Gaussian type, are in fact, contrary to the statement made in Bawendi at col. 7, line 8, only poorly Gaussian. The departure from Gaussian form, in reality makes it difficult to discriminate spectral lines within an emission spectrum by conventional convolution. As illustrated in Figure 3, the particular de-convolution operation described on page 9 has proved to be particularly effective at separating the spectral lines. It is particular effective from the computational point of view when performed in the Fourier domain.

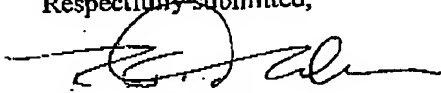
Thus, in the applicant's respectful submission, in view of the incomplete Gaussian nature of the spectral profile, contrary to the teaching in Bawendi, it is not obvious that decoding can be performed on a carried medium wherein the information is encoded in the

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positions and intensities of the spectral lines. In practice, decoding of such media is very difficult to achieve, and the applicants have proved that they can achieve it in an effective manner to provide a highly useful coding scheme capable of offering multiple codes.

Reconsideration and allowance are therefore respectfully requested.

Respectfully submitted,



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